JC02 Rec'd PCT/PTO 0 6 MAY 2002

PATENT Attorney Docket No. 235.00310101

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Fayrer-Hosken et al.)	Group Art No.:	1614	CEIVED
Serial No.:	10/019,642)	Examiner:	Unknown	MAY 2 8 2002
Filed:	December 28, 2001)			TECH CENTER 1600/2900

For:

FERTILITY IMPAIRING VACCINE CONTAINING AVIAN ZONA

PELLUCIDA PROTEIN AND METHOD OF USE

RESPONSE TO NOTIFICATION OF MISSING PARTS UNDER 37 U.S.C. §371

Assistant Commissioner for Patents

Attn: Box PCT

Washington, D.C. 20231

Sir:

In response to the "Notification of Missing Requirements Under 35 U.S.C. §371 in the United States Designated/Elected Office (DO/EO/US)" on February 1, 2002, Applicants submitted two executed Declarations by the named inventors, copies of which are enclosed herewith as Exhibit A.

Applicant's Representatives note that an additional defect was observed, specifically requesting an additional claims fee of \$198. On March 14, 2002, a charge of \$198 was applied to Deposit Account No. 13-4895. Applicants respectfully submit that this charge was applied in error. Upon further review of the initial filing fee previously paid, Applicants believe the fee of \$920 is correct.

Int'l Prel. Exam.					¢ooo
				=	\$890
Surcharge for Oath/De	ec.			=	\$130
50 claims total	(30 extra)	X	\$18	=	\$540
2 independent claims	(0 extra)	X	\$84	=	\$0
multiple dependent cla	aims		\$280	=	\$280
Total				=	\$1,840
small entity status	reduce by 1/2			=	\$920

Filed: February 1, 2002

FERTILITY IMPAIRING VACCINE CONTAINING AVIAN ZONA PELLUCIDA PROTEIN AND METHOD OF USE

Applicants respectfully request a credit of \$198 be refunded to Deposit Account No. 13-4895. If the U.S. Patent & Trademark Office does not agree, please provide Applicant's Representative with a detailed explanation of the charges accrued.

Please charge Deposit Account No. 13-4895 if any additional fees or credit over payment is necessary.

The application should now be in condition for examination. Please direct any inquiries to attorney Victoria Sandberg at (612) 305-1226.

CERTIFICATE UNDER 37 C.F.R. 1.10:

The undersigned hereby certifies that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated below and is addressed to the Assistant Commissioner for Patents, Attn: Box PCT, Washington, D.C. 20231

SUE DOMBROSKE "Express Mail" mailing label number:

Date of Deposit: 6 May 2002

6 May 2012

Respectfully submitted for

The University of Georgia Research Foundation, Inc.

By

Mueting, Raasch & Gebhardt, P.A.

P.O. Box 581415

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Customer Number 26813

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Mark J. Gebhardt

Reg. No. 35,518

Direct Dial (612)305-1216

FORM PTO-1390 (Nodified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371 INTERNATIONAL APPLICATIONNO. PCT/US00/18051 TITLE OF INVENTION FERTILITY IMPAIRING VACCINE CONTAINING AVIAN ZONA PELLUCIDA PROTEIN AND ME USE APPLICANT(S) FOR DO/EO/US FAYRER-HOSKEN et al. Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information in the second of the second of the second of the submission of items concerning a filing under 35 U.S.C. 371. This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must inc (9) and (24) indicated below. The US has been elected by the expiration of 19 months from the priority date (Article 31). A copy of the International Application as filed (35 U.S.C. 371 (c) (2))	an.			
DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371 INTERNATIONAL APPLICATION NO. PCT/US00/18051 INTERNATIONAL FILING UNDER 35 U.S.C. 371 INTERNATIONAL APPLICATION NO. PCT/US00/18051 INTERNATIONAL FILING DATE 30/06/2000 (30 June 2000) INTERNATIONAL FILING DATE 01/07/1999 (01 Jul 01/07/1999) (01 Jul 01/07/1999) (01 Jul 01/07/1999) (01 Jul 01/07/1999) PRIORITY DATE CLAIMED 01/07/1999 (01 Jul 01/07/1999) (01 Jul 01	EK			
CONCERNING A FILING UNDER 35 U.S.C. 371 INTERNATIONAL APPLICATION NO. PCT/US00/18051 INTERNATIONAL FILING DATE 30/06/2000 (30 June 2000) INTERNATIONAL FILING DATE 30/06/2000 (30 June 2000) INTERNATIONAL FILING DATE CLAIMED 01/07/1999 (01 Jul 30/06/2000 (30 June 2000) FERTILITY IMPAIRING VACCINE CONTAINING AVIAN ZONA PELLUCIDA PROTEIN AND ME USE APPLICANT(S) FOR DO/EO/US FAYRER-HOSKEN et al. Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must incomplete (9) and (24) indicated below. The US has been elected by the expiration of 19 months from the priority date (Article 31). A copy of the International Application as filed (35 U.S.C. 371 (c) (2))				
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 4. □ The US has been elected by the expiration of 19 months from the priority date (Article 31). 5. □ A copy of the International Application as filed (35 U.S.C. 371 (c) (2)) 				
5.	clude itens (5), (6)			
5.				
 a. is attached hereto (required only if not communicated by the International Bureau). 				
b. has been communicated by the International Bureau.				
c. is not required, as the application was filed in the United States Receiving Office (RO/US).				
6. An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).				
a. is attached hereto.				
b. has been previously submitted under 35 U.S.C. 154(d)(4).				
7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))				
a. are attached hereto (required only if not communicated by the International Bureau).				
b. have been communicated by the International Bureau.				
c. have not been made; however, the time limit for making such amendments has NOT expired.				
d. have not been made and will not be made. 8. An English language translation of the amendments to the claims under PCT A sixty as a service of the amendments to the claims under PCT A sixty as a service of the amendments to the claims under PCT A sixty as a service of the amendments to the claims under PCT A sixty as a service of the amendments to the claims under PCT A sixty as a service of the amendments to the claims under PCT A sixty as a service of the amendments to the claims under PCT A sixty as a service of the amendments to the claims under PCT A sixty as a service of the amendments to the claims under PCT A sixty as a service of the amendments to the claims under PCT A sixty as a service of the amendments to the claims under PCT A sixty as a service of the amendments to the claims under PCT A sixty as a service of the amendments to the claims under PCT A sixty as a service of the amendments to the claims under PCT A sixty as a service of the amendments to the claims under PCT A sixty as a service of the amendments to the claims under PCT A sixty as a service of the amendments to the claims under PCT A sixty as a service of the amendments to the claims and the service of the amendment to the claims and the service of the amendment to the service of				
and the same different of the amendments to the claims under PC1 Afficie 19 (35 U.S.C. 371(c)(3))				
23 0.3.c. 371 (c)(4)). (previously lifed = Exhibit A)(8 pgs.)				
Article 36 (35 U.S.C. 371 (c)(5)).				
1. A copy of the International Preliminary Examination Report (PCT/IPEA/409).				
2. A copy of the International Search Report (PCT/ISA/210).				
Items 13 to 20 below concern document(s) or information included:				
3. An Information Disclosure Statement under 37 CFR 1.97 and 1.98.				
4. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included a separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.	_{ided.} (3 pgs.			
5. A FIRST preliminary amendment. 6. A SECOND or SUBSEQUENT preliminary amendment.				
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and of address letter.				
rand 15th of the sequence fishing in accordance with PCT Rule 13ter. 2 and 35 U.S.C. 1.821 - 1.8	25.			
to be the published international application under 35 U.S.C. 154(d)(4).				
 A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). Certificate of Mailing by Express Mail 				
3. \(\text{\$\exititt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\				
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Itemized return-stamped postcard; Response to Notification of Missing Requirements Under 35 U.S.C. §371 of Notification of Missing Requirements Under 35 U.S.C. §371 in the U.S. Designated/Elected Office (DO/EC Assignment Recordation Coversheet (1 pg.); check in the amount of \$40.00 for recording fee; Supplemental Data Sheet (4 pgs.); Election Under 37 C.F.R. §§3.71 and 3.73 and Power of Attorney (1 pg.); and Transmit	O/US) (2 pg.);			

The following fees are submitted:		NNO. (IF KNOWN, SEE 37 CFR 10/019,642	INTERNATIONALAPPLICA PCT/US00/186		NO.			'SDOCKET NUMBER 00310101
No.						CA	LCULATIO	NS PTO USE ONLY
International preliminary examination fee (37 CFR 1.482) not paid to USFTO	☐ Neither into internation:	ernational preliminary examination al search fee (37 CFR 1.445(a)(2))	fee (37 CFR 1.482) nor		\$1040.00			
International preliminary examination fee (37 CFR 1,432) not paid to USPTO S740.00 International search (e. 37 CFR 1,432) paid to USPTO S740.00 International preliminary examination fee (37 CFR 1,432) paid to USPTO S710.00 International preliminary examination fee (37 CFR 1,432) paid to USPTO S100.00 S0.00 S0.00 ENTER APPROPRIATE BASIC FEE AMOUNT S00.00 S0.00 ENTER APPROPRIATE BASIC FEE AMOUNT S00.00 S0.00 S0	☐ International USPTO but	al preliminary examination fee (37 t International Search Report prepa	CFR 1.482) not paid to used by the EPO or JPO					
International preliminary examination for (37 CFR 1492 (a)) S100.00	☐ International but internat	al preliminary examination fee (37 ional search fee (37 CFR 1.445(a))	CFR 1.482) not paid to USPT (2)) paid to USPTO	^				
BNTER APPROPRIATE BASIC FEE AMOUNT = \$0.00 Surcharge of \$130.00 for furnishing the oath or declaration later than onoths from the earliest claimed priority date (37 CFR 1.492 (c)). CLAIMS NUMBER FILED NUMBER EXTRA RATE Total claims - 20 = 0 x \$18.00 \$0.00 Independent claims (check if applicable). \$0.00 Independent claims (check if applicable). \$0.00 TOTAL OF ABOVE CALCULATIONS = \$0.00 Applicant claims small entity status. See 37 CFR 1.27). The fees indicated above are reduced by 172. SUBTOTAL = \$0.00 Applicant claims small entity status. See 37 CFR 1.27). The fees indicated above are reduced by 172. SUBTOTAL = \$0.00 TOTAL NATIONAL FEE = \$0.00 Fee for recording the enclosed assignment (37 CFR 1.242 (f)). \$1.00 TOTAL NATIONAL FEE = \$0.00 TOTAL FEES ENCLOSED = \$40.00 TOTAL FEES ENCLOSED = \$40.00 TOTAL FEES ENCLOSED = \$40.00 A check in the amount of \$40.00 to cover the above fees is enclosed. b. Please charge my Deposit Account No. in the amount of to cover the above fees. A duplicate copy of this sheet is enclosed. c. TOTAL FEES ENCLOSED = \$40.00 A duplicate copy of this sheet is enclosed. d. Fees are to be charged to a credit card. WARNING: Information and untorization on PTO-2038. OTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.37(a)) must be filed and granted to restore the application to pending status. ENDALL CORRESPONDENCE TO: Wictoria A. Sandberg Muntangans and status. Mark J. Gebhardt, P.A. P.O. Dox S18145 Minneapolis, Minnesota \$548-1415 Mark J. Gebhardt NAME 35,518 REGISTRATION NUMBER 6 May 2002	but all clair	ns did not satisfy provisions of PC	Γ Article 33(1)-(4)		\$710.00			
Surcharge of \$130,00 for furnishing the cath or declaration later than months from the earliest claimed priority date (37 CFR 1,492 (e)). CLAIMS NUMBER FILED NUMBER EXTRA RATE Total claims	International and all claim	ns satisfied provisions of PCT And	cle 33(1)-(4)					
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Multiple Dependent Claims (check If applicable). TOTAL OF ABOVE CALCULATIONS = \$0.00 Applicant claims small entity status. See 37 CFR 1.27). The fees indicated above are reduced by 1/2. SUBTOTAL = \$0.00 Frocessing fee of \$130.00 for furnishing the English translation later than conths from the earliest claimed priority date (37 CFR 1.492 (ft)). TOTAL NATIONAL FEE = \$0.00 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be excompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable). TOTAL FEES ENCLOSED = \$40.00 Amount to be: refunded: \$ charged \$ \$ a. A check in the amount of \$40.00 to cover the above fees is enclosed. b. Please charge my Deposit Account No. in the amount of to cover the above fees. A duplicate copy of this sheet is enclosed. c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 13-4895 A duplicate copy of this sheet is enclosed. d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. HOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status. END ALL CORRESPONDENCE TO: Victoria A. Sandberg Mark J. Gebhardt NAME 35,518 REGISTRATION NUMBER 6 May 2002		·	·	х		L		
TOTAL OF ABOVE CALCULATIONS = \$0.00 Applicant claims small entity status. See 37 CFR 1.27). The fees indicated above are reduced by 1/2. SUBTOTAL = \$0.00 Processing fee of \$130.00 for furnishing the English translation later than 20 30 30 + \$0.00 Processing fee of \$130.00 for furnishing the English translation later than 20 30 30 + \$0.00 TOTAL NATIONAL FEE = \$0.00 Fee for recording the enclosed assignment (37 CFR 1.492 (f)). The assignment must be recompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable). \$40.00 TOTAL FEES ENCLOSED = \$40.00 Amount to be: \$7 cfrunded charged \$ a. A check in the amount of \$40.00 to cover the above fees is enclosed. b. Please charge my Deposit Account No. in the amount of to cover the above fees is enclosed. c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 13-489\$ A duplicate copy of this sheet is enclosed. d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. HOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.37(a) or (b)) must be filed and granted to restore the application to pending status. END ALL CORRESPONDENCE TO: Victoria A. Sandberg Wuteting, Raasch & Gebhardt, P.A. P.O. Box \$81415 Mark J. Gebhardt NAME 35,518 REGISTRATION NUMBER 6 May 2002		·	0	х		ļ		
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a. A check in the amount of								\$
b. Please charge my Deposit Account No. in the amount of to cover the above fees. A duplicate copy of this sheet is enclosed. c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 13-4895 A duplicate copy of this sheet is enclosed. d. Pees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. IOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status. END ALL CORRESPONDENCE TO: Wictoria A. Sandberg Mueting, Raasch & Gebhardt, P.A. P.O. Box 581415 Mark J. Gebhardt NAME 35,518 REGISTRATION NUMBER 6 May 2002								\$
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UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents, flox PCI United States Patent and Frademark Office Washington, O.C., 2023

U.S. APPLICATION NUMBER NO. FIRST NAMED APPLICANT ATTY. DOCKET NO

10/019,642 Richard Fayrer-Hosken 235.00310101

INTERNATIONAL APPLICATION NO.

PCT/US00/18051

1.A. FILING DATE PRIORITY DATE

06/30/2000

Victoria A Sandberg Mueting Raasch & Gebhardt P O Box 581415 Minneapolis, MN 55458-1415 12 5/6/02 MP Duedul 9/6/02 MP Final

CONFIRMATION NO. 1056
371 FORMALITIES LETTER
OC00000007563958

Date Mailed: 03/06/2002

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as an Elected Office (37 CFR 1.495):

- U.S. Basic National Fees
- Indication of Small Entity Status
- Copy of IPE Report
- Copy of references cited in ISR
- Copy of the International Application
- Copy of the International Search Report

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application
by the International application number and international filing date.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTH FROM THE DATE OF THIS NOTICE OR BY 22 or 32 MONTHS (where 37 CFR 1.495 applies) FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Additionally the following defects have been observed:

Additional claim fees of \$198 as a small entity, including any required multiple dependent claim fee, are
required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are
due.

MAR 1 1 2002

SUMMARY OF FEES DUE:

Total additional fees required for this application is \$198 for a Small Entity:

- Total additional claim fee(s) for this application is \$198
 - \$198 for 52 total claims over 20.

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

A copy of this notice MUST be returned with the response.

ANITA D JOHNSON

Telephone: (703) 305-3661

PART 1 - ATTORNEY/APPLICANT COPY

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S.S. ATTERATION NOMBER NO.	INTERNATIONAL APPLICATION NO.	
10/019,642	PCT/US00/18051	ATTY, DOCKET NO.
	101/0300/18031	235.00310101

FORM PCT/DO/EO/905 (371 Formalities Notice)